

## CLAIMS

I claim:

1. An infant reflux mattress suspense system comprising:
  - a. mattress securing structure means affixed to an elevated end of an infant mattress and extending around and along each side of a reclining infant,
  - b. side posts attached to the mattress securing structure on both sides of the infant proximate its chest and extending from the mattress surface sufficiently on either side of the chest of the suspended infant to prevent it from turning laterally, and
  - c. a suspension strap attached to the side posts of sufficient length and width to pass between an infant's legs to support it from the crotch between the side posts, such that the side posts and suspension strap allow infant movement during sleep, but prevent the infant from disengaging and falling down the inclined mattress.

2. An infant reflux mattress suspense system according to Claim 1, wherein the mattress securing means comprises:

- a. an H shaped harness with variable width
- b. side bars extending from proximately the top of the elevated mattress to the sides of the infant,
- c. hooked ends attached to the top of the side bars structured to pass over the elevated end of the mattress and secure the H shaped harness to the elevated mattress, and
- d. A pair of interconnecting parallel lateral supports attached to the side bars in a position above the infant's head to adjustably secure the width of the side bars at the desired position along either side of the chest of a suspended infant.

3. An infant reflux mattress suspense system according to Claim 2, including a securing strap affixed to the side bars of a length sufficient to pass around the mattress to secure the harness thereto, and the suspension strap is adjustable.

4. An infant reflux suspense system and bed for infants suffering from gastroesophageal reflux disease comprising:

- a. an angled mattress sized to accommodate a sleeping infant with an angle incline of between zero and 30 degrees and firm enough to prevent interference with an infant's breathing when sleeping on its stomach including slots aligned to accommodate
- 5      b. a pair of laterally adjustable side posts of a length approximately the height of a reclining infant attached to the mattress and spaced sufficiently apart to prevent an infant positioned there between from falling down the mattress sideways, and
- 10      c. a suspense strap attached to the side posts such that it passes between an infant's legs to support the infant on the angled mattress.

5. An infant reflux suspense system and bed according to Claim 4, wherein the angled mattress comprises:

- a. a base with attachment structure to tiltably secure to
- 15      b. a pivoting mattress support capable of being held at a varying angles between zero and 30 degrees, and
- 20      c. a reclining mattress with holes therein mounted on the mattress support such that the holes are aligned to accommodate the slideably aligned side posts.

6. An infant reflux suspense system and bed according to Claim 5, including an adjustable safety board attached to the mattress support positioned below the suspended infant's feet to prevent the infant from sliding down and being caught by the suspense strap in the event the infant disengages his/her legs from the suspense strap.

7. An infant reflux suspense system and bed according to Claim 5, wherein the suspense strap is removably mounted to the pegs for cleaning and interchangeable with different sized straps to accommodate varying sized infants.

8. An infant reflux suspense system and bed according to Claim 7, wherein the suspense straps are mounted to the pegs sufficiently above the mattress to allow an infant to position its arms reaching above or below its waist without risking strap entanglement or blood circulation loss.

9. An infant reflux suspense system and bed according to Claim 4, wherein the mattress is removably mounted to the mattress support.

10. An infant reflux suspense system and bed according to Claim 5, wherein the base is of sufficient weight and width to prevent tilting of the adjustable bed when supporting an infant.

11. An infant reflux suspense system and bed according to Claim 5, wherein  
5 base is hingedly attached to the mattress support, and includes a pivoting support with one end attached to the base and the other end associated with the mattress support to secure the mattress support at the desired angle.

12. An infant reflux suspense system and bed according to Claim 5, wherein  
10 the pivoting support is structured to secure the mattress support to the base at a zero degree angle in a closed position for transport.

13. An infant reflux suspense system and bed according to Claim 5, including a handle attached to the mattress support for carrying the adjustable bed in the closed position.

14. An infant reflux suspense system and bed according to Claim 8, wherein  
15 the mattress is constructed of a cleanable material and sized to be covered by the removable sheet having holes sized to accommodate the posts.

15. An infant reflux suspense system and bed according to Claim 5, including parallel sideboards attached to the mattress support on either side of the posts to prevent a suspended infant from being accidentally hit from the side, and provide a draft screen.

20 16. An infant reflux suspense system and tiltable bed for infants suffering from gastro esophageal reflux disease comprising:

- a. a base hingedly attached to
- b. a mattress support with
- c. securing means capable of holding the mattress support a desired angle  
25 between zero and 30 degrees,
- d. a washable reclining mattress firm enough to prevent interference with an infant's breathing when sleeping on its stomach with slots spaced apart on both sides of the segment where an infant would lie removably mounted on the mattress support,
- e. a pair of laterally adjustable side posts of a length slightly higher than a  
30 reclining infant attached to the mattress support spaced sufficiently apart

pass through the reclining mattress slots to secure at a desired position along the sides of an infant to prevent an infant positioned there between from falling down the mattress sideways,

5 f. parallel sideboards attached to the mattress support on either side of the mattress outside the posts to prevent a suspended infant from being accidentally hit from the side, and provide a draft screen

g. an adjustable safety board attached to the mattress parallel sideboards positioned below the suspended infant's feet to prevent the infant from sliding down and being caught by the suspense strap in the event the infant disengages his/her legs from the suspense strap, and

10 h. a suspense strap removably mounted to the side posts sufficiently above the mattress such that it passes between an infant's legs to support the infant on the reclining mattress and allows an infant to position its arms reaching above or below its waist without risking strap entanglement or blood circulation loss.

15 17. An infant reflux suspense system and tiltable bed according to Claim 16, wherein the base is of sufficient weight and width to prevent tilting of the adjustable bed when supporting an infant.

18. An infant reflux suspense system and tiltable bed according to Claim 16, 20 including a pivoting support with one end attached to the base and the other end associated with the mattress support to secure the mattress support at the desired angle.

19. An infant reflux suspense system and tiltable bed according to Claim 16, wherein the pivoting support is structured to secure the mattress support to the base at a zero degree angle in a closed position for transport.

25 20 An infant reflux suspense system and tiltable bed according to Claim 19, including a handle attached to the mattress support for carrying the adjustable bed in the closed position.

21. An infant reflux suspense system and tiltable bed according to Claim 16, wherein the mattress is sized to be covered by a conventional sized removable sheet 30 having holes therein sized to accommodate the movable posts.